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* * * * * Welcome to STN International * * * * *

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Classification Data
NEWS 11 FEB 02 Simultaneous left and right truncation (SLART) added
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced
NEWS 16 FEB 19 New patent-examiner citations in 300,000 CA/CAPLUS
patent records provide insights into related prior
art
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NEWS 24 MAR 11 EPFULL backfile enhanced with additional full-text
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NEWS 26 MAR 20 CAS databases on STN enhanced with new super role
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NEWS 27 MAR 23 CA/CAPLUS enhanced with more than 250,000 patent
equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009

=> file caplus, agricola, efull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 09:36:54 ON 25 MAR 2009
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FILE 'AGRICOLA' ENTERED AT 09:36:54 ON 25 MAR 2009

FILE 'EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009
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=> s solid (3w) basic (3w) absorbent
L1 0 SOLID (3W) BASIC (3W) ABSORBENT

=> s solid (s) basic (s) absorbent
L2 86 SOLID (S) BASIC (S) ABSORBENT

=> s l2 and alumina
L3 25 L2 AND ALUMINA

=> s l3 and biodiesel
L4 1 L3 AND BIODIESEL

=> d l4 ibib abs

L4 ANSWER 1 OF 1 EPPULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2006:184604 EPFULL
 ENTRY DATE PATENT: 20080416
 ENTRY DATE PUBLICATION: 20080416
 UPDATE DATE PUBLICAT.: 20080917
 DATA UPDATE DATE: 20080917
 DATA UPDATE WEEK: 200838
 TITLE (ENGLISH): Process for hydrogenation of carboxylic acids and derivatives to hydrocarbons
 TITLE (FRENCH): Procédé pour l'hydrogenation d'acides carboxyliques et derives en hydrocarbures
 TITLE (GERMAN): Prozess zur Hydrierung von Carbonsaeuren und Derivaten zu Kohlenwasserstoffen
 INVENTOR(S): The designation of the inventor has not yet been filed
 PATENT APPLICANT(S): BP OIL INTERNATIONAL LIMITED, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7BP, GB
 PATENT APPL. NUMBER: 952883
 AGENT: De Kezel, Eric, et al, BP International Limited Patents & Agreements Chertsey Road, Sunbury-on-Thames TW16 7LN, GB
 AGENT NUMBER: 9201951
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPA1 Application published with search report
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1911735	A1	20080416
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT		
	LI LT LU LV MC NL PL PT RO SE SI SK TR		
EXTENSION STATES:	AL BA HR MK RS		
APPLICATION INFO.:	EP 2006-255166	A	20061006
PRIORITY INFO.:	EP 2006-255166	A	20061006 *

ABEN

A process for hydrogenating a carboxylic acid and/or derivative thereof having a carboxylate group represented by the general formula $R-\text{COO}^-\text{H}^+$, which process comprises feeding hydrogen and the carboxylic acid and/or derivative thereof to a reactor and maintaining conditions within the reactor such that hydrogen reacts with the carboxylic acid and/or derivative thereof to produce a product stream comprising carbon dioxide, carbon monoxide, methane and hydrocarbons represented by general formulae $R-\text{H}$ and $R-\text{CH}_3$, characterised in that the molar ratio of $R-\text{H} : R-\text{CH}_3$ is above a pre-determined value and/or the mole ratio of the sum of carbon dioxide, carbon monoxide and methane to carboxylate groups is above a pre-determined value.

=> d his

(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1 0 S SOLID (3W) BASIC (3W) ABSORBENT

L2 86 S SOLID (S) BASIC (S) ABSORBENT
 L3 25 S L2 AND ALUMINA
 L4 1 S L3 AND BIODIESEL

=> s l2 and (fatty (w) acid (w) methyl (w) ester)
 L5 0 L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s (FATTY (W) ACID (W) METHYL (W) ESTER) (s) (solid (3w) absorbent)
 L6 0 (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBENT)

=> l2 and transesterification
 L2 IS NOT A RECOGNIZED COMMAND
 The previous command name entered was not recognized by the system.
 For a list of commands available to you in the current file, enter
 "HELP COMMANDS" at an arrow prompt (=>).

=> s l2 and transesterification
 L7 0 L2 AND TRANSESTERIFICATION

=> s l2 and esterification
 L8 2 L2 AND ESTERIFICATION

=> d l8 1-2 ibib abs

L8 ANSWER 1 OF 2 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2005:13068 EPFULL
 ENTRY DATE PATENT: 20051006
 ENTRY DATE PUBLICATION: 20061025
 UPDATE DATE PUBLICATION: 20080725
 DATA UPDATE DATE: 20080723
 DATA UPDATE WEEK: 200830
 TITLE (ENGLISH): THERMOPLASTIC ELASTOMER COMPOSITION AND MOLDED ARTICLE
 TITLE (FRENCH): COMPOSITION ELASTOMERE THERMOPLASTIQUE ET ARTICLE MOULE
 TITLE (GERMAN): THERMOPLASTISCHE ELASTOMERZUSAMMENSETZUNG UND
 FORMKOEERPER
 INVENTOR(S): TANIGUCHI, Akio, 5-2-23-C402, Torikainishi, Settsu-shi,
 Osaka, 5660072, JP; CHIBA, Takeshi, 4-3-8-410,
 Wakinohamakaigandori, Chuo-ku, Kobe-shi, Hyogo 6510073,
 JP
 PATENT APPLICANT(S): KANEKA CORPORATION, 2-4, Nakanoshima 3-chome Kita-ku,
 Osaka-shi, Osaka 530-8288, JP
 PATENT APPL. NUMBER: 1903030
 AGENT: Vossius & Partner, Siebertstrasse 4, 81675 Muenchen, DE
 AGENT NUMBER: 100314
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: Japanese
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EP1 Application published with search report
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 1714993 A1 20061025

	WO 2005073270	20050811
DESIGNATED STATES:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT	
	LI LT LU MC NL PL PT RO SE SI SK TR	
APPLICATION INFO.:	EP 2005-709268	A 20050124
	WO 2005-JP824	A 20050124
PRIORITY INFO.:	JP 2004-23898	A 20040130

ABEN

The present invention provides an acrylic block copolymer composition improving melt flowability at molding and being excellent in heat resistance in addition to maintain weather resistance, chemical resistance, adhesivity, flexibility and abrasion resistance which are the characteristics of the acrylic block copolymer. It is attained by a thermoplastic elastomer composition comprising an acrylic block copolymer (A) which comprises a methacrylic polymer block (a) and an acrylic polymer block (b), wherein at least one of polymer blocks among the methacrylic polymer block (a) and the acrylic polymer block (b) has a functional group (X), and a compound (B) containing 1.1 or more of functional groups (Y) in one molecule.

L8 ANSWER 2 OF 2 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2001:144185 EPFULL
 ENTRY DATE PUBLICATION: 20060426
 UPDATE DATE PUBLICAT.: 20090114
 DATA UPDATE DATE: 20090114
 DATA UPDATE WEEK: 200903
 TITLE (ENGLISH): Linen fibers comprising O-alkylated cellulose and process for the preparation thereof
 TITLE (FRENCH): Fibres de lin comprenant des ethers cellulosiques O-alkyles et procede de preparation
 TITLE (GERMAN): Leinenfasern, die O-alkylierte Celluloseether enthalten, und Verfahren zu deren Herstellung
 INVENTOR(S): Comoli, Maura, via Ferrante Aporti 12, 20125 Milano, IT; Gastaldi, Giuseppe, via casa S. Fermo 5, 27044 Canneto Pavese (PV), IT; Torri, Giangiacomo, via Colombo 81A, 20131 Milano, IT; Vismara, Elena, via G. Colombo 81A, 20131 Milano, IT
 PATENT APPLICANT(S): Linificio e Canapificio Nazionale S.p.A., via Andre Ponti 6, 24045 Fara Gera d'Adda (BG), IT
 PATENT APPL. NUMBER: 3370730
 AGENT: Serravalle, Marco, et al, Serravalle Sas Corso Roma, 120, 26900 Lodi (LO), IT
 AGENT NUMBER: 9351081
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: Italian
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPB1 Granted patent
 PATENT INFORMATION:

NUMBER	KIND	DATE

EP 1260522	B1	20060426
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DESIGNATED STATES:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT
	SE TR

APPLICATION INFO.:	EP 2001-830331	A	20010523
PRIORITY INFO.:	EP 2001-830331	A	20010523 *
CITED PATENT LIT.:	WO 8909643	A	
	FR 2774380	A	
	JP 10251301	A	
	US 2057163	A	
	US 3903076	A	
	US 5001232	A	

ABEN

The invention concerns an O-alkylated cellulose I of formula I

(image, 8000.1, chemical formulae)

wherein

n is an integer from 100 to 100,000

R is a hydrogen, a group of formula AX in which A is a bivalent bridging radical comprising from 1 to 100 carbon atoms and, optionally, from 1 to 50 heteroatoms selected among halogens, oxygen, nitrogen, sulphur, boron, phosphorus and silicon, and

X is a hydrogen, a functional group selected among vinyl, aziridino, epoxy, glycidyl, halo, acyloxy, alkylsulphonate, arylsulphonate, trialkylsiloxy, sulphate, phosphate, ethynyl, amino, mono-, di- amino, trialkylammonium, carboxy, sulphonc, phosphonic, formyl, alkylsulphonylamino, arylsulphonylamino, aminosulphonyl, acylamino, imino, mono-, di(carboxyalkyl)imino, guanidino, nitro, cyano, alkoxycarbonyl, aminocarbonyl, thioureido, mercapto, aminomethylphosphonic, alkylthio groups or an O-cellulose I radical derived from formula I; provided that AX groups are present in a AX/n ratio from 0.0001 to 3.

Also provided is a process for the preparation of said O-alkylated celluloses.

=> d his

(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1	0 S SOLID (3W) BASIC (3W) ABSORBENT
L2	86 S SOLID (S) BASIC (S) ABSORBENT
L3	25 S L2 AND ALUMINA
L4	1 S L3 AND BIODIESEL
L5	0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
L6	0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE
L7	0 S L2 AND TRANSESTERIFICATION
L8	2 S L2 AND ESTERIFICATION

=> s basic (3w) alumina

L9 1532 BASIC (3W) ALUMINA

=> s 19 and (FATTY (W) ACID (W) METHYL (W) ESTER)

1 FILES SEARCHED...

L10 3 L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> d 110 1-3 ibib abs

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1971:459585 CAPLUS

DOCUMENT NUMBER: 75:59585

ORIGINAL REFERENCE NO.: 75:9399a,9402a

TITLE: Analysis of Krebs cycle and related acids in guinea pig tissues by gas-liquid chromatography

AUTHOR(S): Mensen de Silva, Esther

CORPORATE SOURCE: Dep. Physiol. Sci., Univ. Peru. Cayetano Hered., Lima, Peru

SOURCE: Analytical Chemistry (1971), 43(8), 1031-5

CODEN: ANCHAM; ISSN: 0003-2700

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Acids of the Krebs cycle were determined in the heart, skeletal muscle, liver, and kidney of guinea pigs by gas-liquid chromatog. (Glec). Tissue samples of 0.5-2 g were first extracted with a MeOH-H₂O-H₂SO₄ solution. Purification of the extract was made by eluting the organic acids with ether from a 25-g column made of a mixture of Celite, anhydrous Na₂SO₄, and the extract. The organic

acids were collected on a 1-g column of basic alumina placed below the Celite column, and the acids were methylated by treating the alumina with BF₃-MeOH. Fatty acid Me esters were separated as a group from the Krebs-cycle Me esters by extraction into heptane. The Me esters were completely separated in 14 min

using temperature programming on a 3-foot + 1-mm column packed with 5% polyethylene glycol adipate on silanized Celite. The response of the hydrogen flame ionization detector was linear for 1-μl samples containing 0.1-2.5 μg of each Me ester. Mean recoveries of stds. from distilled water and tissues were similar, but varied for each individual acid from 40.9-96.0%.

L10 ANSWER 2 OF 3 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2001:99228 EPFULL

UPDATE DATE PUBLICATION: 20071031

DATA UPDATE DATE: 20071031

DATA UPDATE WEEK: 200744

TITLE (ENGLISH): Electrophotographic photoreceptor and image forming method and apparatus using the photoreceptor

TITLE (FRENCH): Photorecepteur electrophotographique, procede pour sa fabrication, ainsi que procede et appareil de production d' image utilisant le photorecepteur

TITLE (GERMAN): Elektrophotographischer Photorezeptor, Verfahren zur Herstellung des Photorezeptors, und bildformendes Verfahren sowie Apparat worin der Photorezeptor eingesetzt wird

INVENTOR(S): Tamoto, Nozomu, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Suzuki, Tetsuro, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Tamura, Hiroshi, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Niimi, Tatsuya, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Matsuyama, Akihiko, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo 143-8555, JP; Kurimoto, Eiji, Ricoh Comp.Ltd.,3-6, Nakamagome, 1-chome,Ohta-ku, Tokyo

143-8555, JP; Kami, Hidetoshi, Ricoh Comp.Ltd., 3-6, Nakamagome, 1-chome, Ohta-ku, Tokyo 143-8555, JP
 PATENT APPLICANT(S): Ricoh Company, Ltd., 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, JP
 PATENT APPL. NUMBER: 209037
 AGENT: Barz, Peter, Patentanwalt Kaiserplatz 2, 80803 Muenchen, DE
 AGENT NUMBER: 1467
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPAl Application published with search report
 PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES:	EP 1205808	A1	20020515
APPLICATION INFO.:	DE FR GB IT NL		
PRIORITY INFO.:	EP 2001-126106	A	20011102
	JP 2000-340884	A	20001108
	JP 2000-342902	A	20001110
	JP 2001-255906	A	20010827
	JP 2001-312206	A	20011010

ABEN

An electrophotographic photoreceptor including an electroconductive substrate, a photosensitive layer located overlying the electroconductive substrate, and optionally a protective layer overlying the photosensitive layer, wherein an outermost layer of the photoreceptor includes a filler, a binder resin and an organic compound having an acid value of from 10 to 700 mgKOH/g. The photosensitive layer can be the outermost layer. A coating liquid for an outermost layer of a photoreceptor including a filler, a binder resin, an organic compound having an acid value of from 10 to 700 mgKOH/g and plural organic solvents. A method for preparing a photoreceptor including forming a photosensitive layer, and coating the coating liquid on the photosensitive layer. An image forming method and apparatus and a process cartridge using the photoreceptor are also provided.

L10 ANSWER 3 OF 3 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1996:68792 EPFULL
 ENTRY DATE PUBLICATION: 20050622
 UPDATE DATE PUBLICAT.: 20050622
 DATA UPDATE DATE: 20050622
 DATA UPDATE WEEK: 200525
 TITLE (ENGLISH): PROCESS FOR THE PREPARATION OF MATERIALS WITH A HIGH CONTENT OF ISOMERS OF CONJUGATED LINOLEIC ACID
 TITLE (FRENCH): PROCEDE DE PREPARATION DE MATIERES PRESENTANT UNE FORTE TENEUR EN ISOMERES D'ACIDE LINOLEIQUE CONJUGUE
 TITLE (GERMAN): PROZESS FUEr DIE PRAePARATION VON SUBSTANZEN MIT HOHEM GEHALT AN ISOMEREN VON KONJUGIERTE LINOeLSAeURE
 INVENTOR(S): CAIN, Frederick, William, Loders Crokiaan B.V., Hogeweg 1, NL-1521 AZ Wormerveer, NL; MOORE, Stephen, Raymond, Unilever Research Colworth Lab., Colworth House, Sharnbrook, Bedford MK44 1LQ, GB; McNEILL, Gerald, Patrick, Unilever Research Colworth Lab., Colworth

House, Sharnbrook, Bedford MK44 1LQ, GB; ZWEMMER, Olga,
 Lodders Crokiaan B.V. Hogeweg 1, NL-1521 AZ Wormerveer,
 NL
 PATENT APPLICANT(S): LODERS CROKLAAN B.V., Hogeweg 1, 1521 AZ Wormerveer,
 NL
 PATENT APPL. NUMBER: 1615171
 AGENT: Stevens, Ian Edward, Eric Potter Clarkson, Park View
 House, 58 The Ropewalk, Nottingham NG1 5DD, GB
 AGENT NUMBER: 78682
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPB2 Amended patent
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 866874	B2	20050622
WO 9718320		19970522
DESIGNATED STATES:	AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE	
APPLICATION INFO.:	EP 1996-939054	A 19961112
	WO 1996-EP5024	A 19961112
PRIORITY INFO.:	EP 1995-308228	A 19951114
CITED PATENT LIT.:	EP 442558	A
	EP 579901	A
	WO 9009110	A
	WO 9417672	A
	US 4164505	A
CITED NON PATENT LIT.:	(1) Chin S F et al., J.Food Comp.Anal., vol.5, 1992, p.185 - 197	

=> d his

(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1 0 S SOLID (3W) BASIC (3W) ABSORBENT
 L2 86 S SOLID (S) BASIC (S) ABSORBENT
 L3 25 S L2 AND ALUMINA
 L4 1 S L3 AND BIODIESEL
 L5 0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
 L6 0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE
 L7 0 S L2 AND TRANSESTERIFICATION
 L8 2 S L2 AND ESTERIFICATION
 L9 1532 S BASIC (3W) ALUMINA
 L10 3 S L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s l9 and biodiesel

L11 1 L9 AND BIODIESEL

=> d l11 ibib abs

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2006:733055 CAPLUS
 DOCUMENT NUMBER: 145:170659
 TITLE: Manufacture of fatty acid alkyl esters, and fuels containing them
 INVENTOR(S): Hayafuji, Shigeto
 PATENT ASSIGNEE(S): CDM Consulting Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006193497	A	20060727	JP 2005-9052	20050117
PRIORITY APPLN. INFO.:			JP 2005-9052	20050117

AB Fatty acid alkyl esters, useful for biodiesel fuels, are manufactured by esterification of free fatty acid-containing oils with alcs. and treatment of the reaction products with basic adsorbents to remove unreacted free fatty acids for purification of the products. Thus, palmitic acid and MeOH were mixed at a molar ratio of 20:1 and esterified at 290° and 20 MPa for 15 min to give a reaction mixture, which was passed through a column packed with basic alumina for adsorptive removal of unreacted palmitic acid, treated with a column packed with activated clay, centrifuged, and decompressed to give Me palmitate of 99.7% purity and acid value 0.05 in 97.8% yield.

=> s basic (3w) clay
 L12 358 BASIC (3W) CLAY

=> s l12 and (FATTY (W) ACID (W) METHYL (W) ESTER)
 L13 0 L12 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s basic (w) silica
 L14 244 BASIC (W) SILICA

=> s l14 and (FATTY (W) ACID (W) METHYL (W) ESTER)
 L15 4 L14 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> d l15 1-4 ibib abs

L15 ANSWER 1 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN
 ACCESSION NUMBER: 1996:52586 EPFULL
 UPDATE DATE PUBLICAT.: 20080206
 DATA UPDATE DATE: 20080206
 DATA UPDATE WEEK: 200806
 TITLE (ENGLISH): PROCESS FOR THE PREPARATION OF HYDROXYALKYLAMIDES
 TITLE (FRENCH): PROCEDE DE PREPARATION D'HYDROXYALKYLAMIDES
 TITLE (GERMAN): VERFAHREN ZUR HERSTELLUNG VON HYDROXYALKYLAMIDEN
 INVENTOR(S): DERY, Maurice, 43 Park Drive, Putnam Valley, NY 10579, US; BROLUND, Nils, Merianstrasse 16, D-52351 Dueren, DE
 PATENT APPLICANT(S): Akzo Nobel N.V., Velperweg 76, 6824 BM Arnhem, NL
 PATENT APPL. NUMBER: 200754

AGENT: Schalkwijk, Pieter Cornelis, Akzo Nobel N.V.,
 Velperweg 76, 6824 BM Arnhem, NL
 41222
 AGENT NUMBER:
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPBI Granted patent
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 833814	B1	20010509

DESIGNATED STATES:	WO 9633967	19961031
APPLICATION INFO.:	BE DE ES FR GB IT NL	
	EP 1996-908894	A 19960322
	WO 1996-US3941	A 19960322
PRIORITY INFO.:	US 1995-429337	A 19950426
CITED PATENT LIT.:	EP 473380	A
	WO 9208687	A
	WO 9319038	A
	US 2412113	A
	US 2703798	A
CITED NON PATENT LIT.:	(1) DATABASE WPI Section Ch, Week 9445 4 January 1995 Derwent Publications Ltd., London, GB; Class D21, AN 94-365300 XP002059974 & SU 1 825 782 A (UNIV TVER) , 7 July 1993	

L15 ANSWER 2 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1991:55954 EPFULL
 DATA UPDATE DATE: 19950308
 DATA UPDATE WEEK: 199510
 TITLE (ENGLISH): IMPROVED CATALYZED PROCESS FOR GLUCAMIDE DETERGENTS
 TITLE (FRENCH): PROCEDE CATALYSE AMELIORE POUR DES DETERGENTS A BASE DE GLUCAMIDE
 TITLE (GERMAN): KATALYTISCHES VERFAHREN FUEr GLUCAMIDDETERGENZIEN
 INVENTOR(S): CONNOR, Daniel, Stedman, 9217 Sagemeadow Drive,
 Cincinnati, OH 45239, US; SCHEIBEL, Jeffrey, John,
 10400 Buxton Lane, Cincinnati, OH 45242, US; KAO,
 Ju-Man, 9505 Hopewell Road, Cincinnati, OH 45249, US
 PATENT APPLICANT(S): THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE
 COMPANY, THE), One Procter & Gamble Plaza, Cincinnati,
 Ohio 45202, US
 PATENT APPL. NUMBER: 200173
 AGENT: Canonici, Jean-Jacques, et al, Procter & Gamble
 European Technical Center N.V. Temselaan 100, 1853
 Strombeek-Bever, BE
 AGENT NUMBER: 57861
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPBI Granted patent
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 550651	B1	19950308
WO 9206072		19920416
DE ES FR GB IT NL		
EP 1991-918308	A	19910925
WO 1991-US6987	A	19910925
US 1990-590639	A	19900928
WO 8304412	A	
US 2703798	A	

DESIGNATED STATES:
 APPLICATION INFO.:

PRIORITY INFO.:
 CITED PATENT LIT.:

L15 ANSWER 3 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1991:55711 EPFULL
 DATA UPDATE DATE: 19941130
 DATA UPDATE WEEK: 199448
 TITLE (ENGLISH): PHASE TRANSFER ASSISTED PROCESS FOR GLUCAMIDE
 DETERGENTS
 TITLE (FRENCH): PROCEDE ASSISTE PAR TRANSFERT DE PHASE DESTINE A DES
 DETERGENTS A BASE DE GLUCAMIDE
 TITLE (GERMAN): PHASE-TRANSFER-VERFAHREN FUER GLUCAMIDDETERGENTIIEN
 INVENTOR(S): CONNOR, Daniel, Stedman, 9217 Sagemeadow Drive,
 Cincinnati, OH 45239, US; SCHEIBEL, Jeffrey, John,
 10400 Buxton Lane, Cincinnati, OH 45242, US; KAO,
 Ju-Nan, 9505 Hopewell Road, Cincinnati, OH 45249, US
 PATENT APPLICANT(S): THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE
 COMPANY, THE), One Procter & Gamble Plaza, Cincinnati,
 Ohio 45202, US
 PATENT APPL. NUMBER: 200173
 AGENT: Canonici, Jean-Jacques, et al, Procter & Gamble
 European Technical Center N.V. Temselaan 100, 1853
 Strombeek-Bever, BE
 AGENT NUMBER: 57861
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPBI Granted patent
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 550632	B1	19941130
WO 9206071		19920416
AT BE CH DE DK ES FR GB GR IT LI LU NL SE		
EP 1991-917936	A	19910925
WO 1991-US6986	A	19910925
US 1990-590389	A	19900928
WO 8304412	A	

DESIGNATED STATES:
 APPLICATION INFO.:

PRIORITY INFO.:
 CITED PATENT LIT.:

US 2703798

A

L15 ANSWER 4 OF 4

EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 1991:55452 EPPFULL
 DATA UPDATE DATE: 19941130
 DATA UPDATE WEEK: 199448
 TITLE (ENGLISH): HIGH CATALYST PROCESS FOR GLUCAMIDE DETERGENTS
 TITLE (FRENCH): PROCEDE A FORTE CONCENTRATION DE CATALYSEURS UTILISE
 POUR DES DETERGENTS A BASE DE GLUCAMIDE
 TITLE (GERMAN): VERFAHREN VON HOHEM KATALYSATORGEHALT ZUR HERSTELLUNG
 VON GLUCAMIDE ENTHALTENDEN REINUNGSMITTELN
 INVENTOR(S): CONNOR, Daniel, Stedman, 9217 Sagemeadow Drive,
 Cincinnati, OH 45239, US; SCHEIBEL, Jeffrey, John,
 10400 Buxton Lane, Cincinnati, OH 45242, US; KAO,
 Ju-Nan, 9505 Hopewell Road, Cincinnati, OH 45249, US
 PATENT APPLICANT(S): THE PROCTER & GAMBLE COMPANY, (PROCTER & GAMBLE
 COMPANY, THE), One Procter & Gamble Plaza, Cincinnati,
 Ohio 45202, US
 PATENT APPL. NUMBER: 200173
 AGENT: Canonici, Jean-Jacques, et al, Procter & Gamble
 European Technical Center N.V. Temselaan 100, 1853
 Strombeek-Bever, BE
 AGENT NUMBER: 57861
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPB1 Granted patent
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 550603	B1	19941130
WO 9206070		19920416
BE DE ES FR GB IT NL		
EP 1991-917540	A	19910925
WO 1991-US6985	A	19910925
US 1990-590638	A	19900928
EP 220676	A	
WO 8304412	A	
US 3257436	A	

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(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EPPFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1 0 S SOLID (3W) BASIC (3W) ABSORBENT
 L2 86 S SOLID (S) BASIC (S) ABSORBENT
 L3 25 S L2 AND ALUMINA
 L4 1 S L3 AND BIODIESEL
 L5 0 S L2 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

L6 0 S (FATTY (W) ACID (W) METHYL (W) ESTER) (S) (SOLID (3W) ABSORBE
 L7 0 S L2 AND TRANSESTERIFICATION
 L8 2 S L2 AND ESTERIFICATION
 L9 1532 S BASIC (3W) ALUMINA
 L10 3 S L9 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
 L11 1 S L9 AND BIODIESEL
 L12 358 S BASIC (3W) CLAY
 L13 0 S L12 AND (FATTY (W) ACID (W) METHYL (W) ESTER)
 L14 244 S BASIC (W) SILICA
 L15 4 S L14 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> s bauxite

L16 19138 BAUXITE

=> s l16 and (FATTY (W) ACID (W) METHYL (W) ESTER)

L17 7 L16 AND (FATTY (W) ACID (W) METHYL (W) ESTER)

=> d l17 1-7 ibib abs

L17 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on SIN

ACCESSION NUMBER: 2005:612439 CAPLUS

DOCUMENT NUMBER: 143:117808

TITLE: Improved process for preparing fatty acid alkyl esters using as biodiesel

INVENTOR(S): Gupta, Ashok Kumar; Bhatnagar, Ajay Kumar; Kaul, Savita

PATENT ASSIGNEE(S): Council of Scientific and Industrial Research, India
 PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063954	A1	20050714	WO 2003-IN416	20031230
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MN, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
CA 2552371	A1	20050714	CA 2003-2552371	20031230
AU 2003290414	A1	20050721	AU 2003-290414	20031230
EP 1711588	A1	20061018	EP 2003-782777	20031230
R: AT, DE, FR, GB, IT				
BR 2003018651	A	20061128	BR 2003-18651	20031230
CN 1894390	A	20070110	CN 2003-80111007	20031230
IN 2004DN00397	A	20060310	IN 2004-DN397	20040220
US 20070282118	A1	20071206	US 2007-585041	20070612
PRIORITY APPLN. INFO.:			WO 2003-IN416	W 20031230
AB Fatty acid alkyl esters suitable for use as biodiesel are produced by a				

single step esterification of free fatty acids and transesterification of triglycerides from vegetable oils or animal fats or combinations thereof with a lower alc. (e.g. methanol) in presence of alkyl tin oxide as catalyst. Thus, such an improved process comprises the steps of, a. reacting fatty acid glycerides with an alc. having 1-4 carbon atoms in the molar ratio of 3:1 to 30:1 of fatty acids and triglycerides resp., at a temperature ranging between 70-300°, pressure in the range of 1-30 bar, in presence of an organometallic catalytic compound of Tin with concentration of catalyst is in the range of 0.01 to 3 weight percent of the fatty acid glycerides; b. obtaining ester with glycerol; c. separating the glycerin from the fatty acid alkyl ester as immiscible phase by decantation; d. purifying the fatty acid alkyl esters by washing with water, and e. washed ester is treated with an basic adsorbent to obtain biodiesel.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:200132 CAPLUS

DOCUMENT NUMBER: 140:220453

TITLE: Hardenable furfuryl alcohol-based polymer-coated proppant particles for fracturing of petroleum wells
 Nguyen, Philip D.; Barton, Johnny A.

INVENTOR(S):
 PATENT ASSIGNEE(S): Halliburton Energy Services, Inc., USA

SOURCE: Eur. Pat. Appl., 1 p.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1396606	A2	20040310	EP 2003-255474	20030902
EP 1396606	A3	20040901		
EP 1396606	B1	20060802		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20040048752	A1	20040311	US 2002-235352	20020905
US 6887834	B2	20050503		
AU 2003204793	A1	20040325	AU 2003-204793	20030619
AU 2003204793	B2	20080710		
CA 2438288	A1	20040305	CA 2003-2438288	20030826
NO 2003003878	A	20040308	NO 2003-3878	20030902
MX 2003008019	A	20040310	MX 2003-8019	20030905
PRIORITY APPLN. INFO.:			US 2002-235352	A 20020905

AB Hardenable resin compns. for coating of proppant particles, in petroleum recovery operations, comprises a furfuryl alc.-based hardenable resin, a solvent with flash point >125°F, a silane linking agent, and a surfactant for facilitating the coating of the resin on the proppant particles, which induces the hardenable resin to flow to the contact points between adjacent proppant particles. The fracturing fluid is based on such gelling agents as guar gum, guar gum derivs., and cellulose derivs. Bauxite is the preferred proppant. The composition can also include a hydrolyzable ester or a component to break the gelled fracturing fluid films on the proppant particles. Suitable solvents are dipropylene glycol Me ether dipropylene glycol di-Me ether, DMF, diethylene glycol Me ether, ethylene glycol Bu ether, diethylene glycol Bu ether, propylene

carbonate, Bu acetate, furfuryl acetate, d-limonene, or a fatty acid Me ester. Suitable surfactants include ethoxylated nonylphenol phosphate ester, cationic or ionic surfactants, and C12-22-alkylphosphonates.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2004:9107 EPFULL
 UPDATE DATE PUBLICATION: 20050928
 DATA UPDATE DATE: 20050928
 DATA UPDATE WEEK: 200539
 TITLE (ENGLISH): Methods and compositions for consolidating proppant in subterranean fractures
 TITLE (FRENCH): Methodes et compositions pour la consolidation d'agents de soutènement dans les fractures souterraines
 TITLE (GERMAN): Verfahren und Zusammensetzungen zuer Stuetzmittelverfestigung in unterirdischen Frakturen
 INVENTOR(S): Nguyen, Philip D., 1107 Jones Avenue, Duncan, Oklahoma 73533, US; Barton, Johnny A., 1002 N 2nd Street, Marlow, Oklahoma 73055, US; Isenberg, O. Marlene, 1290 Woodside, Duncan, Oklahoma 73533, US
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box 1431, Duncan, OK 73533, US
 PATENT APPL. NUMBER: 3198136
 AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, GB
 AGENT NUMBER: 37101
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPA1 Application published with search report
 PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES:	EP 1464789	A1	20041006
APPLICATION INFO.:	DE DK FR GB IT NL		
PRIORITY INFO.:	EP 2004-251819	A	20040326
	US 2003-407643	A	20030404

ABEN

Proppant particles are coated on-the-fly with a hardenable resin composition, suspended in a fracturing fluid, and consolidated after being placed in fractures. These methods and compositions are especially suitable for low temperature wells, e.g. those in the 60°F to 225°F range. Preferably, a liquid hardenable resin component is mixed with a liquid hardening agent component on-the-fly to form a hardenable resin composition. The hardenable resin composition is coated onto proppant particles on-the-fly that are conveyed from a source thereof to form resin-coated proppant particles in real-time. The resin-coated proppant particles are suspended in the fracturing fluid to be utilized down hole.

L17 ANSWER 4 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:111570 EPFULL
 ENTRY DATE PUBLICATION: 20070124
 UPDATE DATE PUBLICAT.: 20080102
 DATA UPDATE DATE: 20080102
 DATA UPDATE WEEK: 200801
 TITLE (ENGLISH): METHODS OF COMPLETING WELLS IN UNCONSOLIDATED FORMATIONS
 TITLE (FRENCH): PROCES DE COMPLETION DE PUITS DANS DES FORMATIONS NON CONSOLIDEES
 TITLE (GERMAN): VERFAHREN ZUM KOMPLETTIEREN VON BOHRLOECHERN IN LOCKEREN UNTERIRDISCHEN FORMATIONEN
 INVENTOR(S): NGUYEN, Philip, D., 1107 Jones Avenue, Duncan, OK 73533, US
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box Drawer 1431, Duncan, Oklahoma 73533, US
 PATENT APPL. NUMBER: 526209
 AGENT: Curtis, Philip Anthony, et al, A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, GB
 AGENT NUMBER: 55274
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPB1 Granted patent
 PATENT INFORMATION:
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE
EP 1556581	B1	20070124
WO 2004035987		20040429
IT		
EP 2003-753811	A	20031016
WO 2003-GB4503	A	20031016
US 2002-272614	A	20021016
EP 864726	A	
EP 1130215	A	
EP 1318270	A	
WO 2002046574	A	
US 5381864	A	
US 6016870	A	
US 6311773	B1	
US 6446722	B1	

DESIGNATED STATES:
 APPLICATION INFO.:

PRIORITY INFO.:
 CITED PATENT LIT.:

L17 ANSWER 5 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:77183 EPFULL
 ENTRY DATE PUBLICATION: 20050427
 UPDATE DATE PUBLICAT.: 20050427
 DATA UPDATE DATE: 20050427
 DATA UPDATE WEEK: 200517
 TITLE (ENGLISH): Consolidating proppant and controlling fines in wells
 TITLE (FRENCH): Agent de soutènement se consolidant et controle de la finesse de particules dans des puits de forage
 TITLE (GERMAN): Sich verfestigendes Stuetzmittel und Steuerung der

INVENTOR(S): Partikelfeinheit in Bohrlöchern
 Nguyen, Philip D., 1107 Jones Avenue, Duncan, Oklahoma
 73533, US; Weaver, Jim, Route 4, Box 230B1, Duncan,
 Oklahoma 73533, US; Loghry, Ray, 1214 East Plato Road,
 Duncan, Oklahoma 73533, US

PATENT APPLICANT(S): Halliburton Energy Services, Inc., P.O. Box 1431,
 Duncan, Oklahoma 73536, US

PATENT APPL. NUMBER: 2244460

AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235
 High Holborn, London WC1V 7LE, GB

AGENT NUMBER: 37101

DOCUMENT TYPE: Patent

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPA3 Separate publication of search report

PATENT INFORMATION:

NUMBER	KIND	DATE
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DESIGNATED STATES:	EP 1403466	A3 20050427
	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI	
	LU MC NL PT RO SE SI SK TR	
EXTENSION STATES:	AL LT LV MK	
APPLICATION INFO.:	EP 2003-254267	A 20030704
PRIORITY INFO.:	US 2002-260888	A 20020930

ABEN

Proppant particles coated with a tacky resin coating are suspended in a gelled liquid fracturing fluid and conveyed into formations where the resin hardens to weakly consolidate the proppant particles so that fines will stick to the proppant packs.

L17 ANSWER 6 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:69253 EPFULL

ENTRY DATE PUBLICATION: 20060803

UPDATE DATE PUBLICATION: 20080604

DATA UPDATE DATE: 20080604

DATA UPDATE WEEK: 200823

TITLE (ENGLISH): Fracturing subterranean zones

TITLE (FRENCH): Fracturation de formations souterraines

TITLE (GERMAN): Frakturierung von unterirdischen Lagerstaetten

INVENTOR(S): Nguyen, Philip D., 1107 W. Jones Avenue, Duncan,
 Oklahoma 73533, US; Barton, Johnny A., 1002 N. 2nd
 Street, Marlow, Oklahoma 73055, US

PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box 1431,
 Duncan, Oklahoma 73536, US

PATENT APPL. NUMBER: 769404

AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235
 High Holborn, London WC1V 7LE, GB

AGENT NUMBER: 37101

DOCUMENT TYPE: Patent

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPB1 Granted patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES:	EP 1396606	B1	20060802
APPLICATION INFO.:	DE DK FR GB IT NL		
PRIORITY INFO.:	EP 2003-255474	A	20030902
CITED PATENT LIT.:	US 2002-235352	A	20020905
	EP 864726	A	
	EP 1130215	A	
	EP 1326003	A	
	EP 1394355	A	
	US 3492147	A	
	US 4785884	A	

ABEN

Subterranean zones are fractured using a fracturing fluid containing proppant particles coated with a furfuryl alcohol resin composition. The coated proppant particles are deposited in the fractures and the resin coating hardens by heat to consolidate the proppant particles into chemical and thermal degradation resistant permeable packs.

L17 ANSWER 7 OF 7 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

ACCESSION NUMBER: 2003:66229 EPFULL
 ENTRY DATE PUBLICATION: 20070704
 UPDATE DATE PUBLICATION: 20080808
 DATA UPDATE DATE: 20080806
 DATA UPDATE WEEK: 200832
 TITLE (ENGLISH): Subterranean fractures containing resilient proppant packs
 TITLE (FRENCH): Fractures souterraines contenant des packs elastiques d'agents de soutienement
 TITLE (GERMAN): Elastische Stuetzmittelpacks enthaltende unterirdische Frakturen
 INVENTOR(S): Nguyen, Philip D., 1107 W. Jones Avenue, Duncan, OK 73533, US; Barton, Johnny A., 1002 N. 2nd Street, Marlow, OK 73055, US
 PATENT APPLICANT(S): HALLIBURTON ENERGY SERVICES, INC., P.O. Box 1431, Duncan, Oklahoma 73536, US
 PATENT APPL. NUMBER: 2244460
 AGENT: Wain, Christopher Paul, et al, A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, GB
 AGENT NUMBER: 37101
 DOCUMENT TYPE: Patent
 LANGUAGE OF FILING: English
 LANGUAGE OF PUBL.: English
 LANGUAGE OF PROCEDURE: English
 LANGUAGE OF TITLE: German; English; French
 PATENT INFO TYPE: EPB1 Granted patent
 PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES:	EP 1394355	B1	20070704
APPLICATION INFO.:	DE DK FR GB IT NL		
PRIORITY INFO.:	EP 2003-255150	A	20030820
	US 2002-229587	A	20020828

CITED PATENT LIT.:	EP 1326003	A
	US 3026938	A
	US 4942186	A
	US 20020048676	A1
	US 6257335	B1

ABEN

Subterranean fractures are packed with resilient proppant particles which prevent the production of sand and fines with produced fluids and prevent proppant flow-back in a subterranean zone penetrated by a well bore. As the fractures are formed, a liquid hardenable resin component is mixed with a liquid hardening agent component and a liquid rubber component to form a hardenable resin composition. The hardenable resin composition is coated onto dry proppant particles which are suspended in the fracturing fluid and placed in the fractures. The hardenable resin composition on the resin composition coated proppant particles is allowed to harden and consolidate the proppant particles into high strength resilient permeable packs.

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(FILE 'HOME' ENTERED AT 09:36:12 ON 25 MAR 2009)

FILE 'CAPLUS, AGRICOLA, EFFULL' ENTERED AT 09:36:54 ON 25 MAR 2009

L1	0	S	SOLID (3W)	BASIC (3W)	ABSORBENT
L2	86	S	SOLID (S)	BASIC (S)	ABSORBENT
L3	25	S	L2	AND	ALUMINA
L4	1	S	L3	AND	BIODIESEL
L5	0	S	L2	AND	(FATTY (W) ACID (W) METHYL (W) ESTER)
L6	0	S	(FATTY (W) ACID (W) METHYL (W) ESTER) (S)	(SOLID (3W) ABSORBE	
L7	0	S	L2	AND	TRANSESTERIFICATION
L8	2	S	L2	AND	ESTERIFICATION
L9	1532	S	BASIC (3W)	ALUMINA	
L10	3	S	L9	AND	(FATTY (W) ACID (W) METHYL (W) ESTER)
L11	1	S	L9	AND	BIODIESEL
L12	358	S	BASIC (3W)	CLAY	
L13	0	S	L12	AND	(FATTY (W) ACID (W) METHYL (W) ESTER)
L14	244	S	BASIC (W)	SILICA	
L15	4	S	L14	AND	(FATTY (W) ACID (W) METHYL (W) ESTER)
L16	19138	S	BAUXITE		
L17	7	S	L16	AND	(FATTY (W) ACID (W) METHYL (W) ESTER)

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y

STN INTERNATIONAL LOGOFF AT 09:50:09 ON 25 MAR 2009